

On page 11, line 17, after "1995," please insert -- now U.S. Patent No. 5,542,452, --.

On page 14, line 11, please delete "assigned to Edward L. Carver, Jr., and are".

**In the Claims:**

Please amend claims 5 and 40 as follows (these claims are reprinted incorporating the amendments on the sheet attached hereto):

5. (Amended) An apparatus as defined in claim 1, [further comprising] wherein the means for forming comprises a control unit coupled to the means for pumping and including a database of predetermined reagent-mixture ratios, wherein each predetermined reagent-mixture ratio corresponds to one or more animal species, and the control unit is responsive to an input for a selected animal species to control the means for pumping to pump the reagent-mixture components of the respective reagent-mixture ratio of the selected animal species at a flow-rate ratio corresponding to the reagent-mixture ratio.

40. (Amended) An apparatus as defined in claim [2] 1, wherein the means for forming forms the selected reagent mixture [is formed] by adjusting the flow rates of at least two reagent-mixture components in accordance with the respective flow-rate ratio.

Please add the following new claims:

45. (New) An apparatus as defined in claim 1, wherein the means for forming comprises a control unit electrically coupled to the means for pumping to set the flow rates of the reagent-mixture components in accordance with the flow-rate ratio of each selected reagent mixture.

46. (New) An apparatus as defined in claim 45, wherein the control unit includes a database of information pertaining to the flow-rate ratios of the reagent-mixture components of the selected reagent mixtures.